2021-2022

PROJECTS MANAGEMENTS CONSULTANCY REPORT

Client: Executive Engineer, Yelahanka Divison, BBMP, Bangalore.

Agency: Sri. Umesh N, Contractor, Bangalore..

Name of Work: Construction of RO plants in ward no-04 of Yelahanka Satellite Town sub division, BBMP, Bangalore..

PROJECT MANAGEMENT CONSULTANTS

CIVIL AIM CONSULTANTS & ENGINEERS

(An ISO 9001: Certified Company)

NABL Accredited as per ISO-17025: 2017 Laboratory

CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company
NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Name of Work : Construction of RO plants in ward no-04 of Yelahanka Satellite Town sub division,BBMP,Bangalore.

me of Client	:	**Executive Engineer,** Yelahanka Divison.
ntractor/Agency	:	**M/s Umesh N,** Contractor, Bangalore.
al Cost	:	Rs. 50.00 Lakhs
te of Inspection	:	08.06.2022
tus of Bill	:	1st & Final Bill
he Presence of	:	**Assistant Engineer (Ward no.04),** BBMP, Bangalore.
	:	(b) **Mr. Prajwal,**Engineer M/s. Civil Aim Consultants & Engineers, Bangalore.

No	Description of the Item		Comments / observations
	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per	:	Work done up to the billed quantity and Quality is satisfactory
	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed concrete laid in layers not exceeding 15 cms	:	Work done up to the billed quantity and Quality is satisfactory
	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications Complete as per the Direction of	:	Work done up to the billed quantity and Quality is satisfactory

01, Satvik Nilaya, Opp. Vidia Poorna Prajna School,

4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications.Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
5	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification Complete as per the Direction of Engineer	:	Work done up to the billed quantity and Quality is satisfactory
6	KSRB 4.2.7: Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed 2008 at machine	:	Work done up to the billed quantity and Quality is satisfactory
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping, Including cost of all	:	Work done up to the billed quantity and Quality is satisfactory
8	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design /laps, hooks and	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification.Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
.0	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification Complete as per the Direction of Engineer	:	Work done up to the billed quantity and Quality is satisfactory
1	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification.Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory

2	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005) including cost of all materials labour	:	Work done up to the billed quantity and Quality is satisfactory
3	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Complete as per the	:	Work done up to the billed quantity and Quality is satisfactory
4	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications Complete as per the Direction of	:	Work done up to the billed quantity and Quality is satisfactory
5	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification Complete as per the Direction of Engineer Incharge of	:	Work done up to the billed quantity and Quality is satisfactory
6	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc., consisting of following applications a) applying and grouting a slurry coat of neat cement using 2.75 kg per sqm of cement admixed with proprietary water	:	Work done up to the billed quantity and Quality is satisfactory
7	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc, complete	:	Work done up to the billed quantity and Quality is satisfactory
8	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials labour complete as per	:	Work done up to the billed quantity and Quality is satisfactory

Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and	:	Work done up to the billed quantity and Quality is satisfactory
KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips; suspension shaft with High tension coil	:	Work done up to the billed quantity and Quality is satisfactory
KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM of machinery complete as per specifications.Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
KSRB 7.17 : Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 2.18mm, section weight	:	Work done up to the billed quantity and Quality is satisfactory
Water purification plants: Supplying, Installation andCommissioning of automatic Water purification plant (RO+UF)with all accessories piping, product water tank on single phase power supply on Turnkey/EPC Basis as per the enclosed detailed Technical Specifications including cost of	:	Work done up to the billed quantity and Quality is satisfactory
Additional price for installation of Ultra Voilet System,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications	:	Work done up to the billed quantity and Quality is satisfactory
Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent	:	Work done up to the billed quantity and Quality is satisfactory

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Supplying heavy gauge PVC conduit pipe .....dia mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using	:	Work done up to the billed quantity and Quality is satisfactory
Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments , 1.5 Sqmm Complete as per the Direction of Engineer	:	Work done up to the billed quantity and Quality is satisfactory
2.5Sqmm	:	Work done up to the billed quantity and Quality is satisfactory
4.0Sqmm	:	Work done up to the billed quantity and Quality is satisfactory
Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing	:	Work done up to the billed quantity and Quality is satisfactory
Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	:	Work done up to the billed quantity and Quality is satisfactory
Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	:	Work done up to the billed quantity and Quality is satisfactory
Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall. 1-3Way ,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
16-18Way	:	Work done up to the billed quantity and Quality is satisfactory

Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. **1 to 3 Module,**Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
16-18 Module	:	Work done up to the billed quantity and Quality is satisfactory
Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.**6Amps one way Switch,**Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
6Amps 3way socket	:	Work done up to the billed quantity and Quality is satisfactory
16Amps one way switch	:	Work done up to the billed quantity and Quality is satisfactory
6/16Amps universal socket	:	Work done up to the billed quantity and Quality is satisfactory
1000-1200Watts Dimmer	:	Work done up to the billed quantity and Quality is satisfactory
Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 & 32 Amps DP Complete as per the Direction of	:	Work done up to the billed quantity and Quality is satisfactory
Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the	:	Work done up to the billed quantity and Quality is satisfactory
Supplying & fixing of Porcelain fuse channel with cut outon existing wooden/panel using necessary nuts, bolts and washers. 16Amps,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
Supplying & Fixing retrofit type -PL- LED lamp..... W LED Linear source with CCT 6500 degree K, CRI> 70%. Efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic diver integrated in the system with PF > 0.95, Power loss should < 5% of	:	Work done up to the billed quantity and Quality is satisfactory

Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps On wall / ceiling / Rafter / Girders Complete as	:	Work done up to the billed quantity and Quality is satisfactory
Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation. Geological investigation	:	Work done up to the billed quantity and Quality is satisfactory
Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of	:	Work done up to the billed quantity and Quality is satisfactory
50.00 to 100.00 Mtr.	:	Work done up to the billed quantity and Quality is satisfactory
100.00 to 150.00 Mtr.	:	Work done up to the billed quantity and Quality is satisfactory
150.00 to 200.00 Mtr.	:	Work done up to the billed quantity and Quality is satisfactory
200.00 to 250.00 Mtr.	:	Work done up to the billed quantity and Quality is satisfactory
250.00 to 300.00 Mtr.	:	Work done up to the billed quantity and Quality is satisfactory
300.00 to 350.00 Mtr.	:	Work done up to the billed quantity and Quality is satisfactory
Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random	:	Work done up to the billed quantity and Quality is satisfactory
Providing and fixing 250mm dia PVC pipe and as per specification and directions. Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory

CIVIL AIM CONSULTANTS Proposal

Providing and laying at site of work175mm thick MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments	:	Work done up to the billed quantity and Quality is satisfactory
Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CE pump close coupled by means of	:	Work done up to the billed quantity and Quality is satisfactory
Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia	:	Work done up to the billed quantity and Quality is satisfactory
Supply of 50mm M.S collars ,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS: 8130-1984. and virgin grade PVC Sheated Suitable for working voltage upto 1100 Volts as per IS:694:1990 3C X 6.0Sq mm Complete as	:	Work done up to the billed quantity and Quality is satisfactory
Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph	:	Work done up to the billed quantity and Quality is satisfactory
Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should	:	Work done up to the billed quantity and Quality is satisfactory
Providing & Fixing of clamps set and borewell cap to the pump (MR) ,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory

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69	Supply and delivery at site of brand new best make non return valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm . Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
70	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments,Size- 50mm ,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
1	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any. Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
2	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any. Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
3	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any.Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
4	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges tools and equipments etc. involved in	:	Work done up to the billed quantity and Quality is satisfactory
5	Labour charges for erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc,complete as per specification, with testing of as per instructions of engineer incharge of work. Complete as per the Direction of Engineer	:	Work done up to the billed quantity and Quality is satisfactory
6	Supplying and fixing miniature circuit breakers/isolators on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898 40 Amps	:	Work done up to the billed quantity and Quality is satisfactory

	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554),Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm ,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to	:	Work done up to the billed quantity and Quality is satisfactory
	Providing,Supplying and fixing LT cast iron potheads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work 3½x6	:	Work done up to the billed quantity and Quality is satisfactory
2	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834, 3phase 400/440 volts grade,for power Factor improvement of roating machinery like indution motor,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
3	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches ,Complete as per the Direction of Engineer Incharge of the Work	:	Work done up to the billed quantity and Quality is satisfactory
	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges	:	Work done up to the billed quantity and Quality is satisfactory

	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete.	:	Work done up to the billed quantity and Quality is satisfactory
	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in	:	Work done up to the billed quantity and Quality is satisfactory
	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14	:	Work done up to the billed quantity and Quality is satisfactory
	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregates	:	Work done up to the billed quantity and Quality is satisfactory
	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications,Complete as per the Direction of Engineer Incharge of the Work.	:	Work done up to the billed quantity and Quality is satisfactory

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

CIVIL AIM CONSULTANTS & ENGINEERS BANGALORE